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Form PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF ART CITED BY APPLICANT  
(Use several sheets if necessary)ATTY. DOCKET NO.  
MI40-382SERIAL NO.  
10/705,685APPLICANT  
JOHN R. TUTTLEFILING DATE  
NOV. 10, 2003GROUP  
2632

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
TN	AA	5,055,968	10/08/91	NISHI ET AL.	361	395	
TN	AB	5,166,502	11/24/92	RENDLEMAN ET AL.	235	492	
TN	AC	5,266,925	11/1993	VERCELLOTTI ET AL.	340	572	
	AD						
	AE						
	AF						
	AG						

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation
							Yes
	AH						
	AJ						
	AK						
	AL						

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

	AM	
	AN	
	AO	
	AP	

EXAMINER

TN

DATE CONSIDERED

07/31/06

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## U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
TN	AA 3,701,317	10/1972	MIYAMOTO ET AL.	101	170	
	AB 3,981,761	9/1976	KOJIMA ET AL.	156	235	
	AC 4,075,632	2/1978	BALDWIN ET AL.	343	68 R	
	AD 4,135,184	1/1979	PRUZICK	340	572	
	AE 4,232,512	11/1980	YOSHIKAWA ET AL.	368	82	
	AF 4,926,182	5/15/90	OHTA ET AL.	342	44	
	AG 5,148,355	9/1992	LOWE ET AL.	361	410	
	AH 5,402,095	3/28/95	JANNIERE	235	441	
	AI 5,412,192	5/1995	HOSS	235	380	
	AJ 5,428,214	6/1995	HAKKERS ET AL.	235	492	
TN	AK 5,528,222	6/1996	MOSKOWITZ ET AL.	340	572	

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
TN	AL WO 96/07985	3/1996	PCT (IBM)	H05K	3/46	x	
	AM EP 0 682 321	5/1995	EPO (Giesecke)	G06K	19/077		x
	AN DE 4431605	3/1996	GERMANY (Siemens AG)	H01L	21/60		x
	AO DE 3201065	7/1993	GERMANY (Schwarzwalder Elec.)	H05K	3/06		x
TN	AP WO 90 07858	7/1990	PCT (IBM)	G06K	19/077	x	

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

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<i>Languyen</i>	<i>07/31/05</i>

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Form PTO-1449				U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MI40-382	SERIAL NO. 10/705,685		
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT JOHN R. TUTTLE					
				FILING DATE NOV. 10, 2003		GROUP 2632			
U.S. PATENT DOCUMENTS									
*Examiner Initial		Document Number	Date	Name		Class	Subclass	Filing Date If Appropriate	
TN	AA	5,598,032	1/1997	FIDALGO		257	679		
	AB	5,600,175	2/1997	ORTHMANN		257	532		
	AC	5,621,412	4/1997	SHARPE ET AL.		342	51		
	AD	5,647,122	7/1997	LAUNAY ET AL.		29	840		
	AE	5,649,296	7/15/97	MACLELLAN ET AL.		455	38.2		
	AF	5,729,053	3/1998	ORTHMANN		257	724		
	AG	5,735,040	4/1998	OCHI ET AL.		29	841		
	AH	5,850,690	12/1998	LAUNAY ET AL.		29	841		
	AI	5,880,934	3/1999	HAGHIRI-TEHRANI		361	737		
	AJ	5,880,937	3/1999	SCHADHAUSER ET AL.		361	794		
TN	AK	6,130,602	10/2000	O'TOOLE ET AL.		340	10.33		
FOREIGN PATENT DOCUMENTS									
		Document Number	Date	Country		Class	Subclass	Translation	
								Yes	No
TN	AL	8-138022	5/1996	JAPAN (Toshiba)		G06K	19/077	X	
	AM	7-200766 A	08/1995	JAPAN (Omrom Corp.)		G06K	19/07	X	
	AN	8-96090 A	04/1996	JAPAN (Toshiba)		G06K	17/00	X	
	AO	8-111573	04/1996	JAPAN (Murata Mfg. Co.)		H05K	1/09	X	
TN	AP	8-7066	01/1996	JAPAN (Philips Electron)		G06K	19/077	X	
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)									
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## U.S. PATENT DOCUMENTS

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TN	AA	6,514,367	02/2003	LEIGHTON	156	153	
	AB	6,036,099	03/2000	LEIGHTON	235	488	
TN	AC	5,566,441	10/1996	MARSH ET AL.	29	600	
	AD	5,541,399	07/1996	DE VALL	235	491	
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
TN	AL	0 595 549 A2	10/1993	EPO (HUGHES MICROELECTRONICS)	H04Q	9/00	X	
TN	AM	38 24 870 A1	04/1989	GERMANY (MITSUBISHI)	G06K	7/01		X
	AN							
	AO							
	AP							

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